

PATENT  
 USSN 09/990,080  
 Docket: 018/258c  
 Substitute Specification

SEQUENCE LISTING

<110> Morin, Gregg B.  
 Geron Corporation

<120> Human Telomerase Catalytic Subunit Variants

<130> 018/258c

<140> 00/000,000

<141> 2001-00-00

<140> US 09/128,354

<141> 1998-08-03

<150> US 09/052,864

<151> 1998-03-31

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<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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<223> human telomerase reverse transcriptase (hTERT) cDNA

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gcc ttc acc acc agc gtg cgc agc tac ctg ccc aac acg gtg acc gac	442
Ala Phe Thr Thr Ser Val Arg Ser Tyr Leu Pro Asn Thr Val Thr Asp	
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130 135 140 145	
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Asp Asp Val Leu Val His Leu Leu Ala Arg Cys Ala Leu Phe Val Leu	
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Val Ala Pro Ser Cys Ala Tyr Gln Val Cys Gly Pro Pro Leu Tyr Gln	
165 170 175	
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Leu Gly Ala Ala Thr Gln Ala Arg Pro Pro Pro His Ala Ser Gly Pro	
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195 200 205	
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Ala Ala Pro Glu Pro Glu Arg Thr Pro Val Gly Gln Gly Ser Trp Ala	
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Ser Pro Ala Arg Pro Ala Glu Glu Ala Thr Ser Leu Glu Gly Ala Leu	
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 Ala Arg Thr Phe Arg Arg Glu Lys Arg Ala Glu Arg Leu Thr Ser Arg  
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 Gly Ser Ile Leu Ser Thr Leu Leu Cys Ser Leu Cys Tyr Gly Asp Met  
 835 840 845  
 gag aac aag ctg ttt gcc ggg att cgg cgg gac ggg ctg ctc ctg cgt 2650  
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gtg aac ttg cgg aag	aca gtg gtg	aac ttc cct	gta gaa gac	2794
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Trp Cys Gly Leu Leu	Leu Asp Thr	Arg Thr Leu	Glu Val Gln	
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Tyr Ser Ser Tyr Ala	Arg Thr Ser	Ile Arg Ala	Ser Leu Thr	
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Tyr Arg Phe His Ala	Cys Val Leu	Gln Leu Pro	Phe His Gln	
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Trp Lys Asn Pro Thr	Phe Phe Leu	Arg Val Ile	Ser Asp Thr	
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Cys His Gln Ala Phe	Leu Leu Lys	Leu Thr Arg	His Arg Val	
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Lys Leu Pro Gly Thr Thr Leu Thr Ala Leu Glu Ala Ala Ala Asn Pro  
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 Val Ala Arg Val Leu Gln Arg Leu Cys Glu Arg Gly Ala Lys Asn Val  
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 Glu Ala Phe Thr Thr Ser Val Arg Ser Tyr Leu Pro Asn Thr Val Thr  
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 Gly Asp Asp Val Leu Val His Leu Leu Ala Arg Cys Ala Leu Phe Val  
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Leu Val Ala Pro Ser Cys Ala Tyr Gln Val Cys Gly Pro Pro Leu Tyr  
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Gln Leu Gly Ala Ala Thr Gln Ala Arg Pro Pro Pro His Ala Ser Gly  
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 195 200 205

Glu Ala Gly Val Pro Leu Gly Leu Pro Ala Pro Gly Ala Arg Arg Arg  
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Gly Gly Ser Ala Ser Arg Ser Leu Pro Leu Pro Lys Arg Pro Arg Arg  
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Asp Lys Glu Gln Leu Arg Pro Ser Phe Leu Leu Ser Ser Leu Arg Pro  
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Arg Tyr Trp Gln Met Arg Pro Leu Phe Leu Glu Leu Leu Gly Asn His  
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Ala Gln Cys Pro Tyr Gly Val Leu Leu Lys Thr His Cys Pro Leu Arg  
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Gly Ser Val Ala Ala Pro Glu Glu Glu Asp Thr Asp Pro Arg Arg Leu  
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Arg Lys Ser Val Trp Ser Lys Leu Gln Ser Ile Gly Ile Arg Gln His  
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Asn Thr Tyr Cys Val Arg Arg Tyr Ala Val Val Gln Lys Ala Ala His  
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Gly His Val Arg Lys Ala Phe Lys Ser His Val Ser Thr Leu Thr Asp  
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Ala Val Arg Ile Arg Gly Lys Ser Tyr Val Gln Cys Gln Gly Ile Pro  
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 900 905 910

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<211> 69  
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Docket: 018/258c  
Substitute Specification

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